

Comparisons of Job Characteristics

Focus Occupation: Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic (51-4021)

Associated Occupation: Model Makers, Metal and Plastic (51-4061)

Compare Knowledge

Compare Skills

Compare Abilities

Compare Detailed Work Activities

Compare Tools and Technologies

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 69

Focus Occupation: Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic (51-4021)
Associated Occupation: Model Makers, Metal and Plastic (51-4061)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Mechanical	6.8	16.9	13.4	<<	Extensive education and/or training may be required
Production and Processing	6.0	12.5	9.6	<<	Extensive education and/or training may be required
Mathematics	9.2	11.7	9.8	<	Expanded education and/or training may be required
Design	5.2	11.6	6.3	<<	Extensive education and/or training may be required
Engineering and Technology	5.7	9.6	7.6	<	Expanded education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 87

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Associated Occupation: Model Makers, Metal and Plastic (51-4061)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Operation and Control	5.4	10.6	10.2	0	Current skill level may be sufficient
Quality Control Analysis	5.9	9.8	10.2	0	Current skill level may be sufficient
Operation Monitoring	6.6	9.7	11.9	>	Skill level is likely sufficient
Troubleshooting	4.5	8.4	7.7	0	Current skill level may be sufficient
Equipment Selection	3.3	8.0	7.1	<	A higher skill level may be required
Equipment Maintenance	3.5	6.7	7.4	>	Skill level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 76			
Focus Occupation: Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic (51-4021) Associated Occupation: Model Makers, Metal and Plastic (51-4061)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Reaction Time	4.8	11.6	11.9	0	Current ability level may be sufficient
Visualization	7.5	11.6	8.6	<<	Extensive improvement in abilities may be required
Control Precision	6.6	10.7	12.2	>	Current ability level is likely sufficient
Arm-Hand Steadiness	6.8	10.6	9.5	<	Some improvement in abilities may be required
Manual Dexterity	6.5	10.5	10.2	0	Current ability level may be sufficient
Auditory Attention	5.9	9.1	9.2	0	Current ability level may be sufficient
Rate Control	3.8	8.2	9.2	>	Current ability level is likely sufficient
Wrist-Finger Speed	3.2	6.9	6.1	<	Some improvement in abilities may be required
Dynamic Strength	3.5	6.6	6.6	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 87
Focus Occupation: Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic (51-4021) Associated Occupation: Model Makers, Metal and Plastic (51-4061)		
Work Activities	Exclusivity of Activity	
Adjust production equipment/machinery setup	25	
Examine products or work to verify conformance to specifications	15	
Operate metal or plastic fabricating equipment/machinery	54	
Perform safety inspections in manufacturing or industrial setting	33	
Read specifications	23	
Read technical drawings	7	
Set up production equipment or machinery	51	
Understand technical operating, service or repair manuals	6	
Use precision measuring tools or equipment	17	

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: n/a

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Associated Occupation: Model Makers, Metal and Plastic (51-4061)

Tools and Technologies	Exclusivity
Tools and technology data is unavailable for one or both occupations.	

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.